

| L Number | Hits   | Search Text   | DB                             | Time stamp       |
|----------|--------|---|--------------------------------|------------------|
| 1        | 19609  | caprolactam   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:33 |
| 2        | 60757  | carbon adj monoxide   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:33 |
| 3        | 424    | caprolactam and (carbon adj monoxide)   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:33 |
| 4        | 165770 | palladium or pd   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:33 |
| 5        | 152    | (caprolactam and (carbon adj monoxide)) and<br>(palladium or pd)                        | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:33 |
| 6        | 62853  | \$nitrile   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:34 |
| 7        | 122    | 5-cyanovaler\$  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:34 |
| 8        | 18257  | group adj VIII  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:34 |
| 9        | 518    | pentenenitrile  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:34 |
| 10       | 56     | 5-cyanovaler\$ and pentenenitrile   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:34 |
| 11       | 102206 | \$Bis-(phosphino)propane  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:34 |
| 12       | 102206 | \$Bis-(Di-tert-butylphosphino)propane   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:34 |
| 13       | 4608   | carbonylation   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:34 |
| 14       | 526    | (\$Bis-(Di-tert-butylphosphino)propane) and<br>carbonylation                            | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:34 |
| 15       | 376    | (palladium or pd) and<br>((\$Bis-(Di-tert-butylphosphino)propane) and<br>carbonylation) | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:34 |
| 16       | 0      | 049554.pn.  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:34 |
| 17       | 44     | 5-cyanovaleric  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:34 |
| 18       | 86433  | hydrogenation   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:34 |
| 19       | 1344   | 6-aminocaproic  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:34 |
| 20       | 174    | (558/441).CCLS.   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:34 |
| 21       | 0      | ((("540/485").CCLS.) and 5-cyanovaleric   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:34 |
| 22       | 2      | 5780623.pn.   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:38 |
| 23       | 2      | 5973406.pn.   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:38 |

|    |     |   |   |                  |
|----|-----|---|---|------------------|
| 24 | 44  | ((caprolactam and (carbon adj monoxide)) and (palladium or pd)) and \$nitrile                               | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 25 | 11  | caprolactam and (5-cyanovaler\$ and pentenenitrile)   | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 26 | 36  | (carbon adj monoxide) and (5-cyanovaler\$ and pentenenitrile)   | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 27 | 27  | (palladium or pd) and ((carbon adj monoxide) and (5-cyanovaler\$ and pentenenitrile))                       | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 28 | 2   | 5679831.pn.   | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 29 | 2   | 6156934.pn.   | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 30 | 9   | ((carbon adj monoxide) and (5-cyanovaler\$ and pentenenitrile)) and (\$Bis-(phosphino)propane)              | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 31 | 9   | ((carbon adj monoxide) and (5-cyanovaler\$ and pentenenitrile)) and (\$Bis-(Di-tert-butylphosphino)propane) | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 32 | 21  | pentenenitrile and ((palladium or pd) and ((\$Bis-(Di-tert-butylphosphino)propane) and carbonylation))      | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 33 | 10  | "0495548"   | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 34 | 4   | 49554.pn.   | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 35 | 1   | 0049554.pn.   | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 36 | 37  | caprolactam and 5-cyanovaler\$  | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 37 | 24  | caprolactam and 5-cyanovaleric  | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 38 | 1   | "4636576".PN.   | USPAT                                       | 2003/02/22 07:38 |
| 39 | 1   | "5616773".PN.   | USPAT                                       | 2003/02/22 07:38 |
| 40 | 16  | 6-aminocaproic and 5-cyanovaleric   | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 41 | 3   | 9815529.pn.   | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 42 | 2   | 5679831.pn.   | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 43 | 146 | (540/485).CCLS.   | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 44 | 6   | ((("558/441").CCLS.) and 5-cyanovaleric   | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 45 | 60  | ((("540/485").CCLS.) and caprolactam  | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/02/22 07:38 |
| 46 | 2   | 6346640.pn.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:38 |
| 47 | 341 | ((558/441).CCLS.) or ((540/485).CCLS.)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/02/22 07:38 |

|    | Type | L # | Hits       | Search Text   | DBs                                       | Time Stamp          | Comments | Error Definition        |
|----|------|-----|------------|---|---|---------------------|----------|-------------------------|
| 1  | BRS  | L1  | 19609      | caprolactam   | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:33 |          |                         |
| 2  | BRS  | L2  | 60757      | carbon adj monoxide   | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:33 |          |                         |
| 3  | BRS  | L3  | 424        | caprolactam and (carbon<br>adj monoxide)                            | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:33 |          |                         |
| 4  | BRS  | L4  | 16577<br>0 | palladium or pd   | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:33 |          |                         |
| 5  | BRS  | L5  | 152        | (caprolactam and (carbon<br>adj monoxide)) and<br>(palladium or pd) | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:33 |          |                         |
| 6  | BRS  | L6  | 62853      | \$nitrile   | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:34 |          | Truncation<br>overflow. |
| 7  | BRS  | L7  | 122        | 5-cyanovaler\$  | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:34 |          |                         |
| 8  | BRS  | L8  | 18257      | group adj VIII  | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:34 |          |                         |
| 9  | BRS  | L9  | 518        | pentenenitrile  | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:34 |          |                         |
| 10 | BRS  | L10 | 56         | 5-cyanovaler\$ and<br>pentenenitrile                                | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:34 |          |                         |

|    | Err<br>ors |
|----|------------|
| 1  | 0          |
| 2  | 0          |
| 3  | 0          |
| 4  | 0          |
| 5  | 0          |
| 6  | 1          |
| 7  | 0          |
| 8  | 0          |
| 9  | 0          |
| 10 | 0          |

|    | Type | L # | Hits   | Search Text  | DBs                                   | Time Stamp          | Comments | Error Definition |
|----|------|-----|--------|--|---------------------------------------|---------------------|----------|------------------|
| 11 | BRS  | L11 | 102206 | \$Bis- (phosphino)propane  | USPAT;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:34 |          |                  |
| 12 | BRS  | L12 | 102206 | \$Bis- (Di-tert-butylphosphino)propane   | USPAT;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:34 |          |                  |
| 13 | BRS  | L13 | 4608   | carbonylation  | USPAT;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:34 |          |                  |
| 14 | BRS  | L14 | 526    | (\$Bis- (Di-tert-butylphosphino)propane) and carbonylation                         | USPAT;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:34 |          |                  |
| 15 | BRS  | L15 | 376    | (palladium or pd) and ((\$Bis- (Di-tert-butylphosphino)propane) and carbonylation) | USPAT;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:34 |          |                  |
| 16 | BRS  | L16 | 0      | 049554 .pn.  | USPAT;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:34 |          |                  |
| 17 | BRS  | L17 | 44     | 5-cyanovaleric   | USPAT;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:34 |          |                  |
| 18 | BRS  | L18 | 86433  | hydrogenation  | USPAT;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:34 |          |                  |
| 19 | BRS  | L19 | 1344   | 6-aminocaproic   | USPAT;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:34 |          |                  |
| 20 | IS&R | L20 | 174    | (558/441) .CCLS.   | USPAT;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:34 |          |                  |

|    | Err<br>ors |
|----|------------|
| 11 | 0          |
| 12 | 0          |
| 13 | 0          |
| 14 | 0          |
| 15 | 0          |
| 16 | 0          |
| 17 | 0          |
| 18 | 0          |
| 19 | 0          |
| 20 | 0          |

|    | Type | L # | Hits | Search Text   | DBs                                       | Time Stamp          | Comments | Error Definition     |
|----|------|-----|------|---|---|---------------------|----------|----------------------|
| 21 | BRS  | L21 | 0    | ((("540/485").CCLS.) and 5-cyanovaleric   | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:34 |          |                      |
| 22 | BRS  | L22 | 2    | 5780623.pn.   | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          |                      |
| 23 | BRS  | L23 | 2    | 5973406.pn.   | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          |                      |
| 24 | BRS  | L24 | 44   | ((caprolactam and (carbon adj monoxide)) and (palladium or pd)) and \$nitrile                   | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          | Truncation overflow. |
| 25 | BRS  | L25 | 11   | caprolactam and (5-cyanovaler\$ and pentenenitrile)   | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          |                      |
| 26 | BRS  | L26 | 36   | (carbon adj monoxide) and (5-cyanovaler\$ and pentenenitrile)                                   | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          |                      |
| 27 | BRS  | L27 | 27   | (palladium or pd) and ((carbon adj monoxide) and (5-cyanovaler\$ and pentenenitrile))           | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          |                      |
| 28 | BRS  | L28 | 2    | 5679831.pn.   | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          |                      |
| 29 | BRS  | L29 | 2    | 6156934.pn.   | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          |                      |
| 30 | BRS  | L30 | 9    | ((carbon adj monoxide) and (5-cyanovaler\$ and pentenenitrile)) and (\$Bis- (phosphino)propane) | USPAT<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          |                      |

|    | Err<br>ors |
|----|------------|
| 21 | 0          |
| 22 | 0          |
| 23 | 0          |
| 24 | 1          |
| 25 | 0          |
| 26 | 0          |
| 27 | 0          |
| 28 | 0          |
| 29 | 0          |
| 30 | 0          |



|    | Type | L # | Hits | Search Text   | DBs                                    | Time Stamp          | Comments | Error Definition |
|----|------|-----|------|---|--|---------------------|----------|------------------|
| 31 | BRS  | L31 | 9    | ((carbon adj monoxide) and (5-cyanovaler\$ and pentenenitrile)) and (\$Bis- (Di-tert-butylphosp hino)propane) | USPAT ;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          |                  |
| 32 | BRS  | L32 | 21   | pentenenitrile and ((palladium or pd) and ((\$Bis- (Di-tert-butylphos phino)propane) and carbonylation))      | USPAT ;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          |                  |
| 33 | BRS  | L33 | 10   | "0495548"   | USPAT ;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          |                  |
| 34 | BRS  | L34 | 4    | 49554.pn.   | USPAT ;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          |                  |
| 35 | BRS  | L35 | 1    | 0049554.pn.   | USPAT ;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          |                  |
| 36 | BRS  | L36 | 37   | caprolactam and 5-cyanovaler\$  | USPAT ;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          |                  |
| 37 | BRS  | L37 | 24   | caprolactam and 5-cyanovaleric  | USPAT ;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          |                  |
| 38 | BRS  | L38 | 1    | "4636576".PN.   | USPAT                                  | 2003/02/22<br>07:38 |          |                  |
| 39 | BRS  | L39 | 1    | "5616773".PN.   | USPAT                                  | 2003/02/22<br>07:38 |          |                  |
| 40 | BRS  | L40 | 16   | 6-aminocaproic and 5-cyanovaleric   | USPAT ;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          |                  |
| 41 | BRS  | L41 | 3    | 9815529.pn.   | USPAT ;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          |                  |

|    | Err<br>ors |
|----|------------|
| 31 | 0          |
| 32 | 0          |
| 33 | 0          |
| 34 | 0          |
| 35 | 0          |
| 36 | 0          |
| 37 | 0          |
| 38 | 0          |
| 39 | 0          |
| 40 | 0          |
| 41 | 0          |

|    | Type | L # | Hits | Search Text                                | DBs  | Time Stamp          | Comments | Error Definition |
|----|------|-----|------|--|--|---------------------|----------|------------------|
| 42 | BRS  | L42 | 2    | 5679831.pn.                                | USPAT;<br>EPO;<br>JPO;<br>DERWE<br>NT                  | 2003/02/22<br>07:38 |          |                  |
| 43 | IS&R | L43 | 146  | (540/485).CCLS.                            | USPAT;<br>EPO;<br>JPO;<br>DERWE<br>NT                  | 2003/02/22<br>07:38 |          |                  |
| 44 | BRS  | L44 | 6    | ((("558/441").CCLS.) and<br>5-cyanovaleric | USPAT;<br>EPO;<br>JPO;<br>DERWE<br>NT                  | 2003/02/22<br>07:38 |          |                  |
| 45 | BRS  | L45 | 60   | ((("540/485").CCLS.) and<br>caprolactam    | USPAT;<br>EPO;<br>JPO;<br>DERWE<br>NT                  | 2003/02/22<br>07:38 |          |                  |
| 46 | BRS  | L46 | 2    | 6346640.pn.                                | USPAT;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          |                  |
| 47 | BRS  | L47 | 341  | ((558/441).CCLS.) or<br>((540/485).CCLS.)  | USPAT;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2003/02/22<br>07:38 |          |                  |

|    | Err<br>ors |
|----|------------|
| 42 | 0          |
| 43 | 0          |
| 44 | 0          |
| 45 | 0          |
| 46 | 0          |
| 47 | 0          |